

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2004/000190

| A. CLASSIFICATION OF SUBJECT MATTER | | | | | | | | | | | | |
|--|--|---|--|---|---|--|---|--|--|---|--|--|
| Int. Cl. ⁷ : A01J 25/11; A23C 19/00 | | | | | | | | | | | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | | | | | | | | | | | |
| B. FIELDS SEARCHED | | | | | | | | | | | | |
| Minimum documentation searched (classification system followed by classification symbols) | | | | | | | | | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | | | | | | | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI, US and EP databases with keywords (eg A01J 25/ic, A23C 19/ic, column, detritusing, detritising) | | | | | | | | | | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | | | | | | | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | | | | | | | | | | |
| X | US 2982655 A (BUDD et al) 2 May 1961 Entire document | 1-10 | | | | | | | | | | |
| Y | US 6079323 A (DZENIS) 27 June 2000 Entire document | 1-10 | | | | | | | | | | |
| Y | WO 1994/024850 A (INNOVATIVE ENGINEERING LIMITED) 10 November 1994 Entire document | 1-10 | | | | | | | | | | |
| Y | US 4237781 A (CHARLES) 9 December 1980 Entire document | 1-10 | | | | | | | | | | |
| Note: Claims 1-10 each lack an inventive step when US 6079323 is combined with either WO 1994/024850 or US 4237781 | | | | | | | | | | | | |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex | | | | | | | | | | | | |
| <p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table> | | | "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family | "P" document published prior to the international filing date but later than the priority date claimed | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | | | | | | | | | | | |
| "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | | | | | | | | | | | |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | | | | | | | | | | | |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family | | | | | | | | | | | |
| "P" document published prior to the international filing date but later than the priority date claimed | | | | | | | | | | | | |
| Date of the actual completion of the international search 15 October 2004 | | Date of mailing of the international search report 21 OCT 2004 | | | | | | | | | | |
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Information on patent family members

PCT/NZ2004/000190

| Patent Document Cited in Search Report | | Patent Family Member | | | | | |
|--|-------------|----------------------|----------|----|----------|----|-------------|
| US | 2982655 | NIL | | | | | |
| US | 6079323 | AU | 24793/00 | CA | 2352772 | WO | 2000/033643 |
| WO | 1994/024850 | AU | 65459/94 | NZ | 265118 | | |
| US | 4237781 | AU | 45816/79 | BE | 875724 | CA | 1115598 |
| | | DE | 2912471 | DK | 146479 | FR | 2423146 |
| | | GB | 1567894 | JP | 54140770 | NL | 7903152 |
| | | NZ | 190083 | SE | 7903451 | ZA | 7901611 |
| <p>Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.</p> <p>END OF ANNEX</p> | | | | | | | |